

Title (en)

METHOD OF SAWING CRYSTAL BARS AND PLURAL-BLADE SAW WITH ANNULAR MEMBERS FOR CARRYING OUT THIS METHOD

Publication

EP 0093406 B1 19860723 (DE)

Application

EP 83104148 A 19830428

Priority

DE 3216200 A 19820430

Abstract (en)

[origin: US4513544A] Crystalline rods or blocks can be sawed into thin wafers by sawing the rod or block into a plurality of wafers that are connected to each other. The wafers can be connected by introducing a connecting agent after each sawing step, into the resulting cutting gaps. The wafers are separated only after the whole rod has been sawed. The method makes possible the use of multiple-blade internal-hole saws, and preferably two-blade internal-hole saws.

IPC 1-7

B28D 5/04

IPC 8 full level

B24B 27/06 (2006.01); **B23D 59/00** (2006.01); **B28D 5/00** (2006.01); **B28D 5/02** (2006.01); **B28D 5/04** (2006.01)

CPC (source: EP US)

B23D 59/008 (2013.01 - EP US); **B28D 5/0058** (2013.01 - EP US); **B28D 5/024** (2013.01 - EP US); **B28D 5/028** (2013.01 - EP US);
B28D 5/029 (2013.01 - EP US)

Cited by

EP0269997A3; EP0232920A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0093406 A1 19831109; EP 0093406 B1 19860723; AT E20849 T1 19860815; AU 1409383 A 19841101; AU 555783 B2 19861009;
CA 1213865 A 19861112; DE 3216200 A1 19831103; DE 3364676 D1 19860828; JP H0119324 B2 19890411; JP S58191115 A 19831108;
US 4513544 A 19850430; US 4633847 A 19870106; ZA 833025 B 19840125

DOCDB simple family (application)

EP 83104148 A 19830428; AT 83104148 T 19830428; AU 1409383 A 19830429; CA 427098 A 19830429; DE 3216200 A 19820430;
DE 3364676 T 19830428; JP 6463683 A 19830414; US 48720083 A 19830421; US 72117685 A 19850408; ZA 833025 A 19830429